

PEPFAR use case: Complex data modelling

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bit.ly/hispus_cdm



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(the PEPFAR installation of DHIS2)*



PEPFAR use case: Complex data modelling

1. Modelling mechanisms:
data set dimensions using attribute categories
2. Modelling agencies and partners (and subpartners):
category option groups and group sets
3. Modelling data approval:
data approval levels

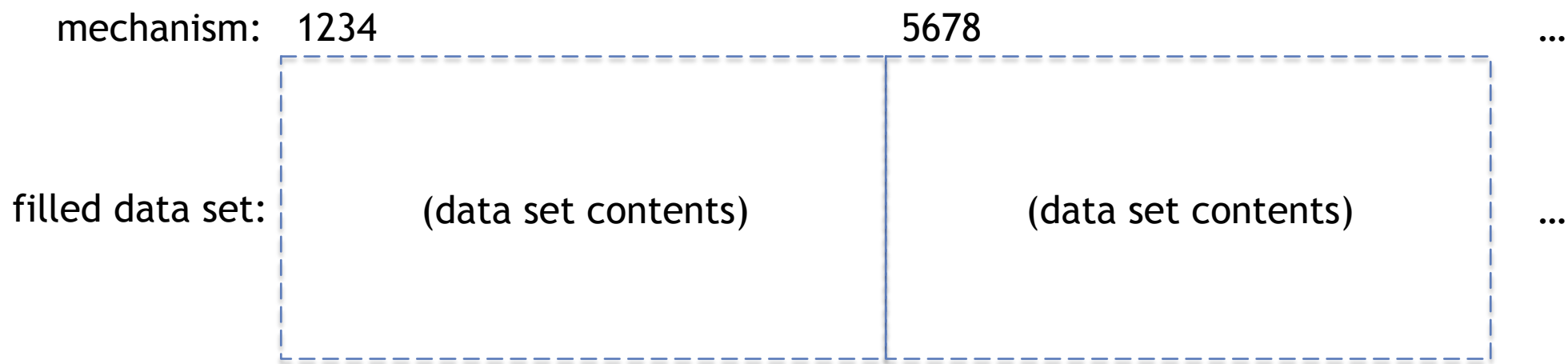
Modelling PEPFAR mechanisms



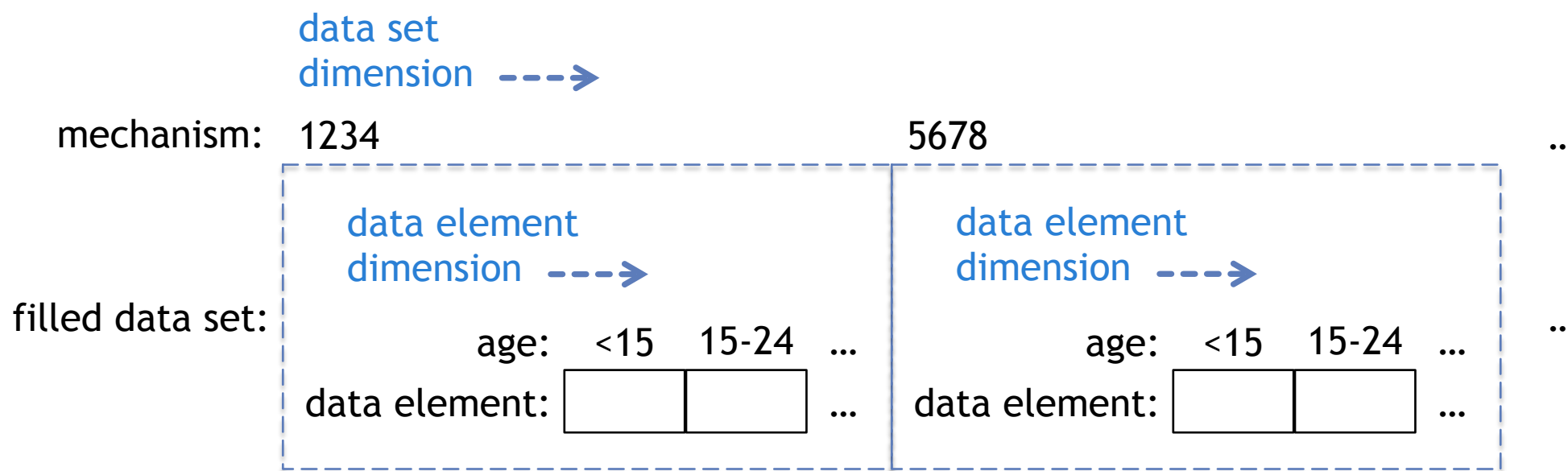
1. Modelling mechanisms:
data set dimensions using attribute categories

Modelling PEPFAR mechanisms

“implementing mechanism” – the PEPFAR name for a project



Modelling PEPFAR mechanisms



data element dimensions: disaggregation categories
(e.g., age, sex, test result; also called category options)

data set dimensions: attribute categories
(extra dimensions: projects, partners, accounts, etc.)

Data Entry

HIV testing and counseling

Filter in section	<15y	15-24y	25-49y	>49y
HIV: currently on care	19	32	44	45
HIV: new on care	42	44	46	36

data element dimensions: disaggregation categories

Data Entry ?

Organisation Unit	Sierra Leone		
Data Set	ART monthly summary		
Period	July 2017	Prev year	Next year
Implementing Partner	APHIAplus		
Project	[Select option]		

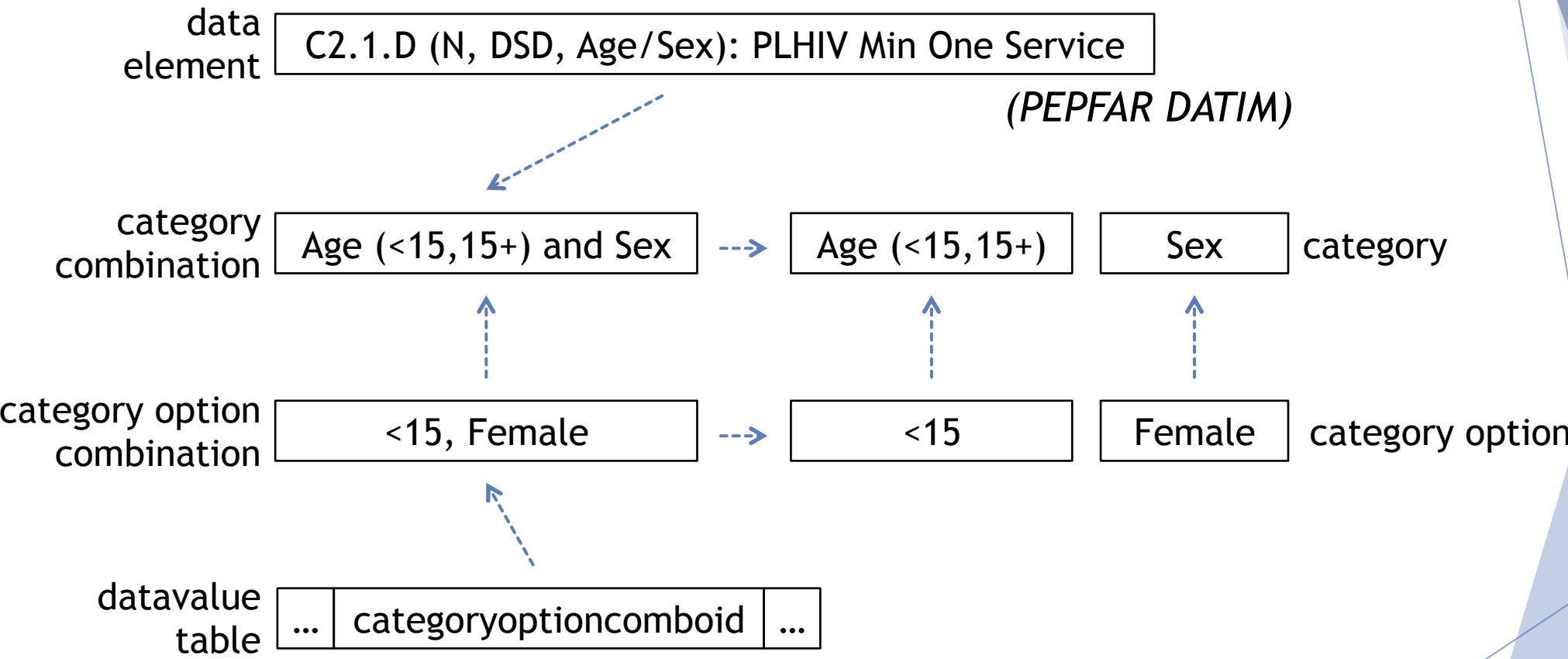
data set dimensions: attribute categories

data set dimensions: attribute categories
(extra dimensions: projects, partners, accounts, etc.)

are based on

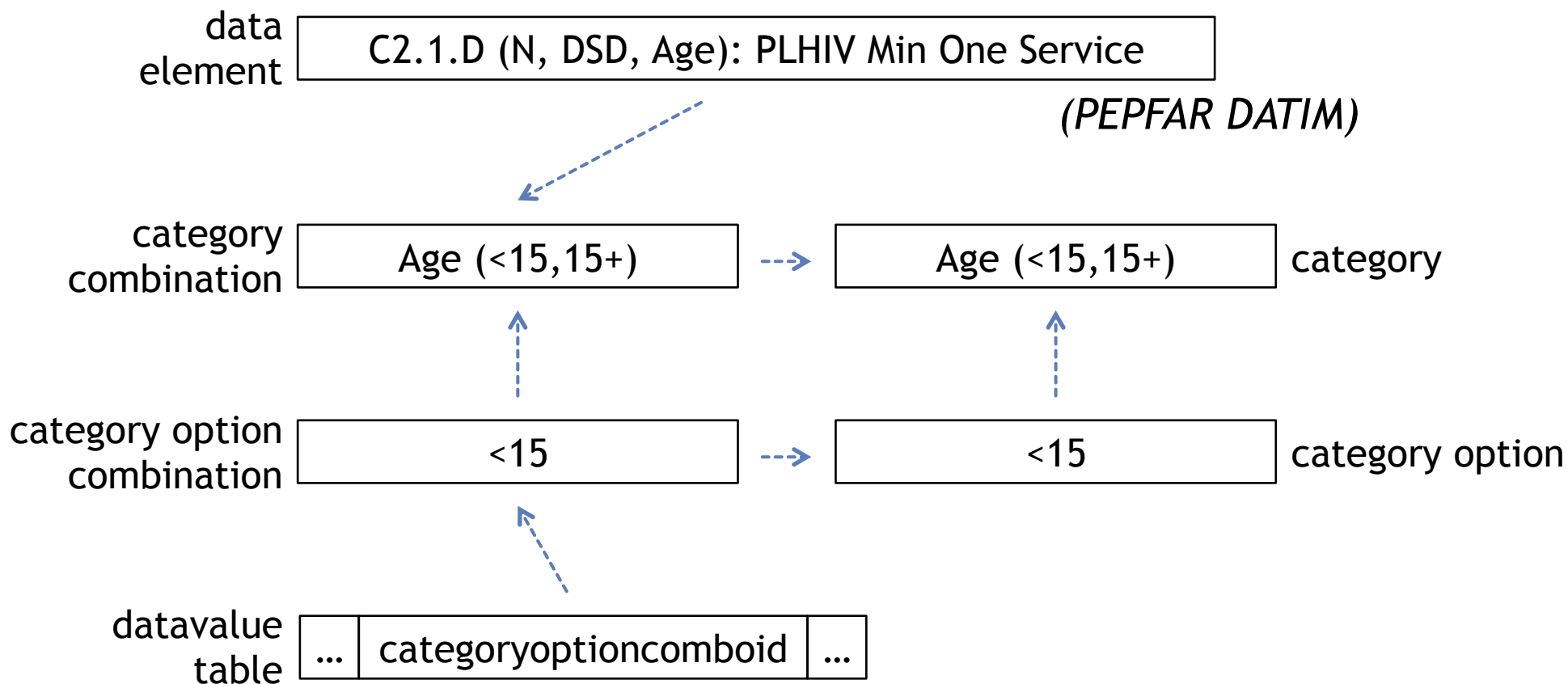
data element dimensions: disaggregation categories
(disaggregations: age, sex, test result, etc.)

Two data element dimensions: age, sex



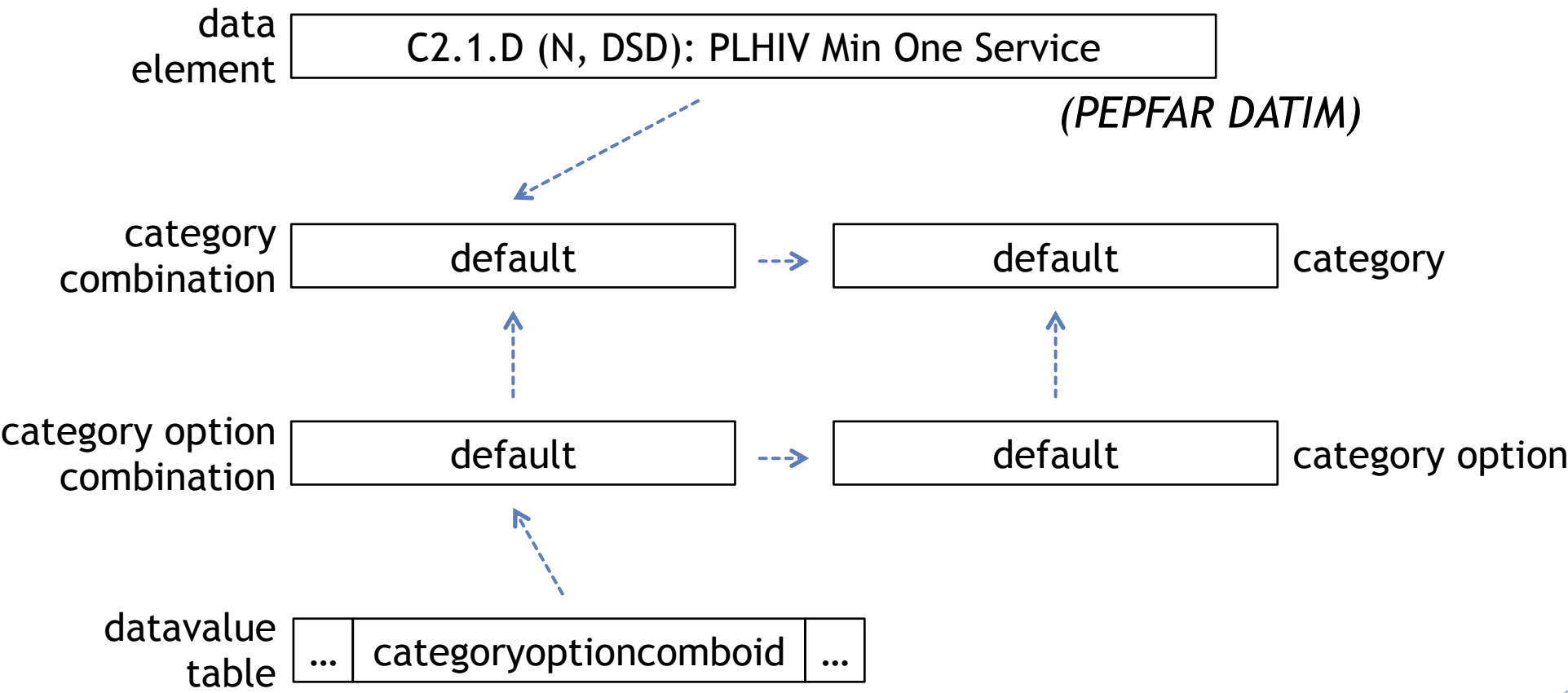
data element dimensions: disaggregation categories

One data element dimension: age



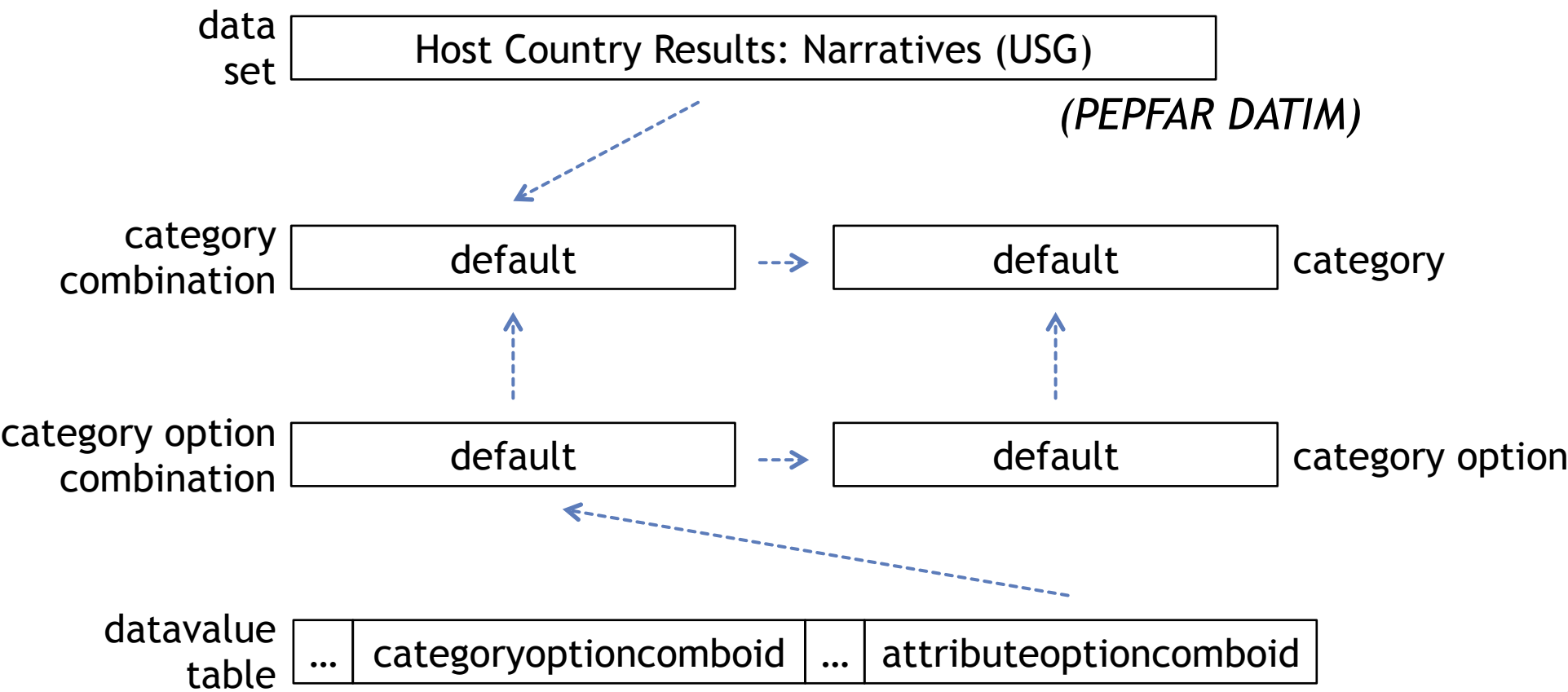
data element dimensions: disaggregation categories

Zero data element dimensions



data element dimensions: disaggregation categories

Zero data set dimensions



data element dimensions: disaggregation categories

One data set dimension: PEPFAR mechanism

data set

MER Results: Facility Based

(PEPFAR DATIM)

category combination

Mechanism

 \leftrightarrow

Mechanism

 category

category option combination

1234

 \leftrightarrow

1234

 category option

data value table

...	categoryoptioncomboid	...	attributeoptioncomboid
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data element dimensions: disaggregation categories

Two data set dimensions: partner, project

data set

ART Monthly Summary

(Sierra Leone demo)

category combination

Partner and Project

 \dashrightarrow

Partner

Project

 category

category option combination

UNICEF, clean water

 \dashrightarrow

UNICEF

clean water

 category option

data value table

...	categoryoptioncomboid	...	attributeoptioncomboid
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data set dimensions: attribute categories

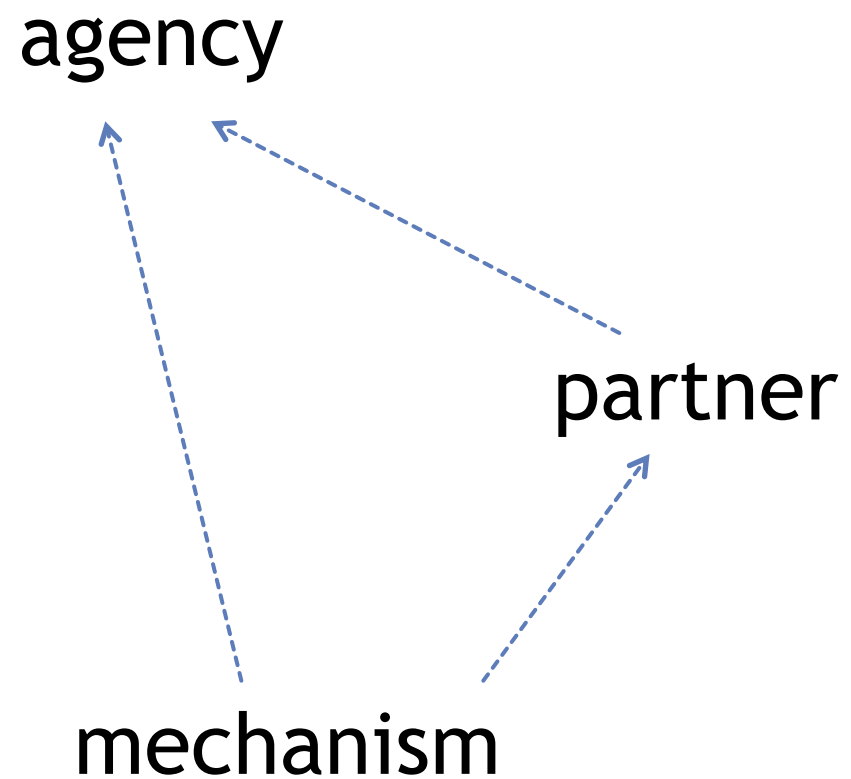
Modelling PEPFAR agencies and partners

1. Modelling mechanisms:
data set dimensions using attribute categories

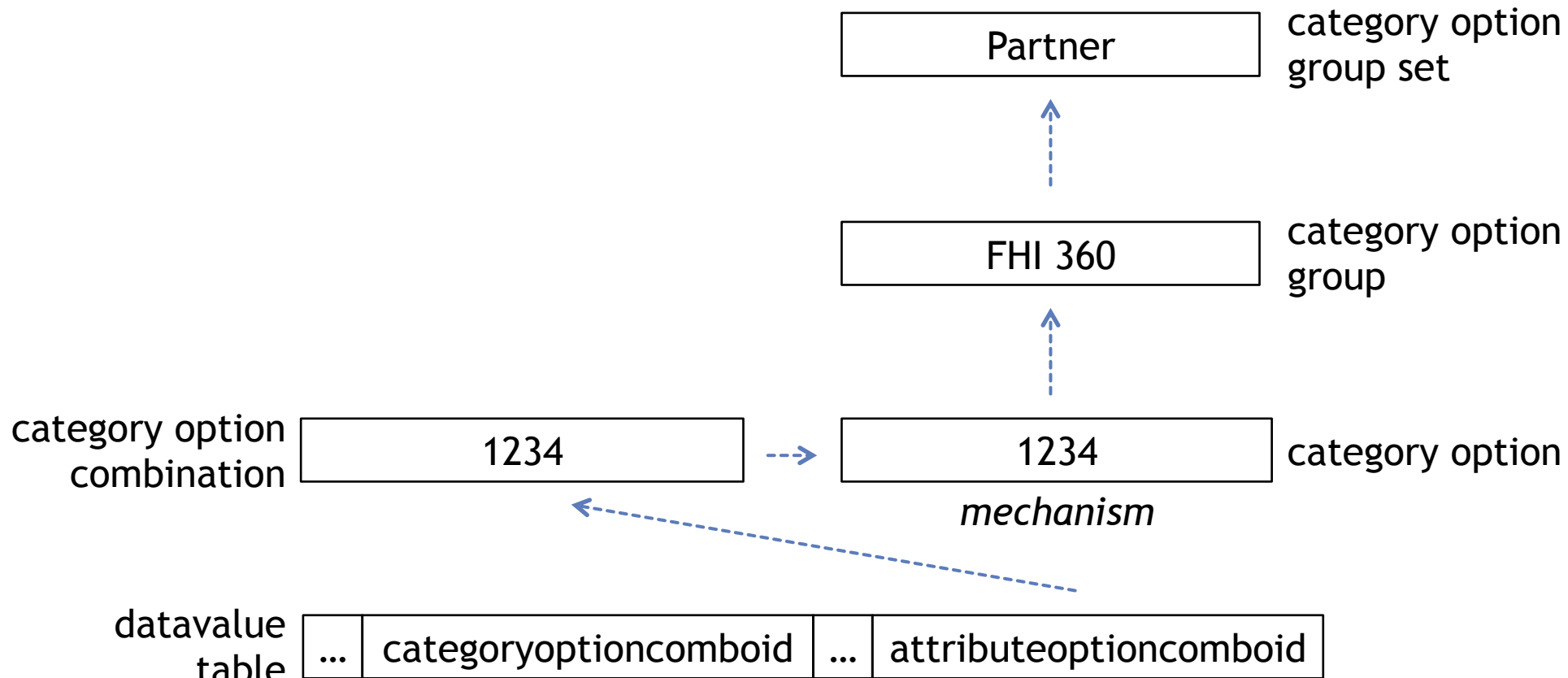


2. Modelling agencies and partners (and subpartners):
category option groups and group sets

Modelling PEPFAR agencies and partners

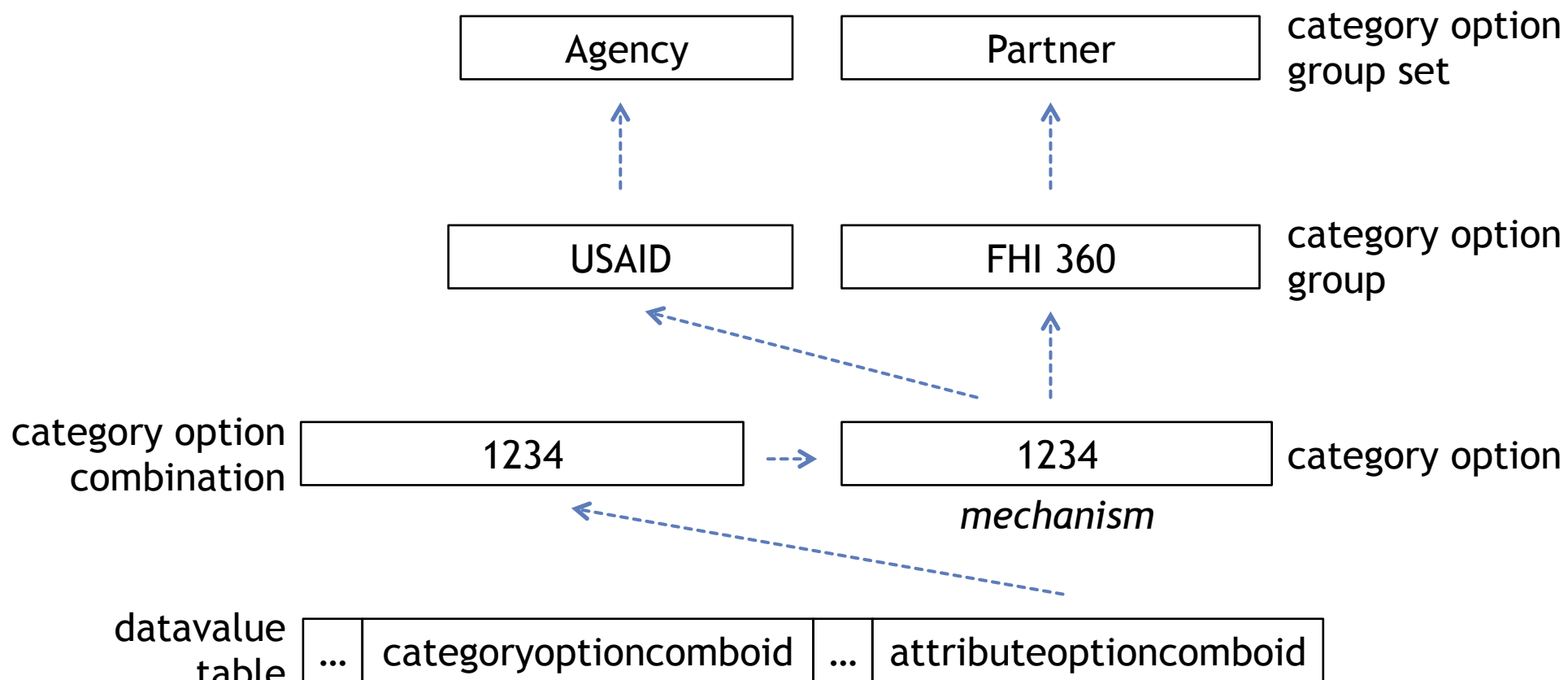


PEPFAR partners



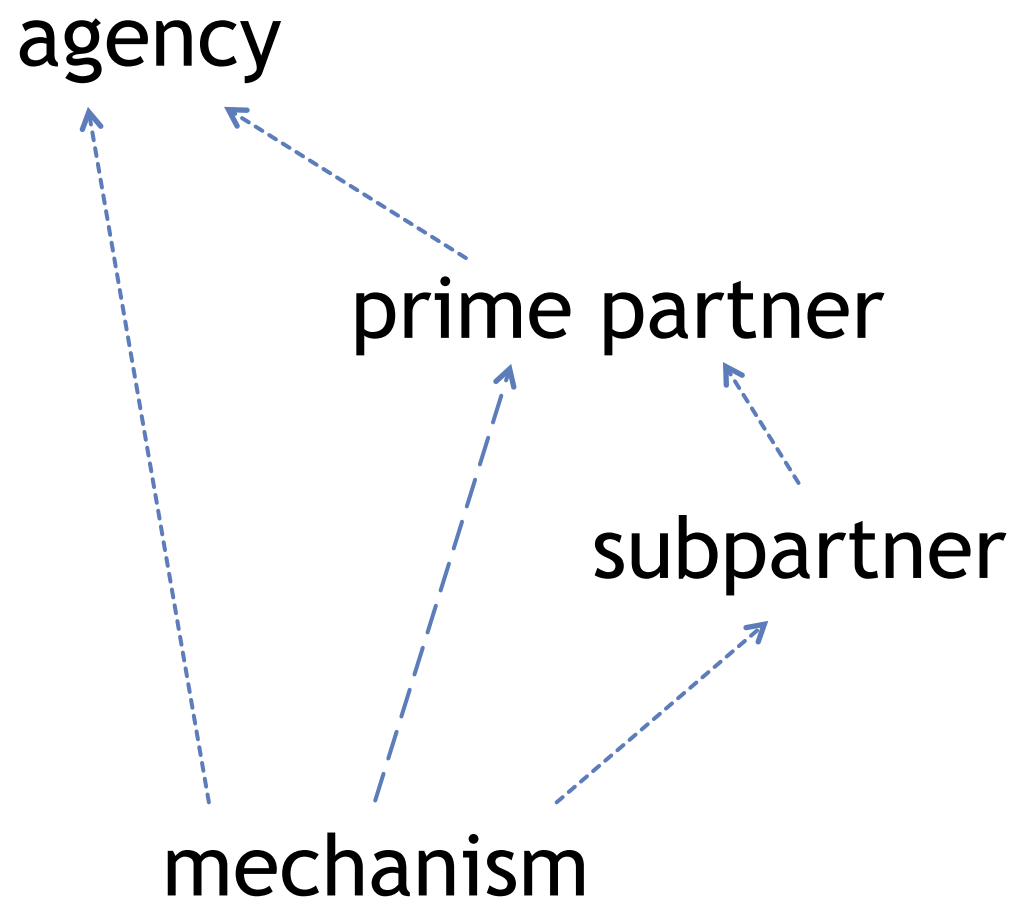
category option groups and group sets

PEPFAR agencies and partners

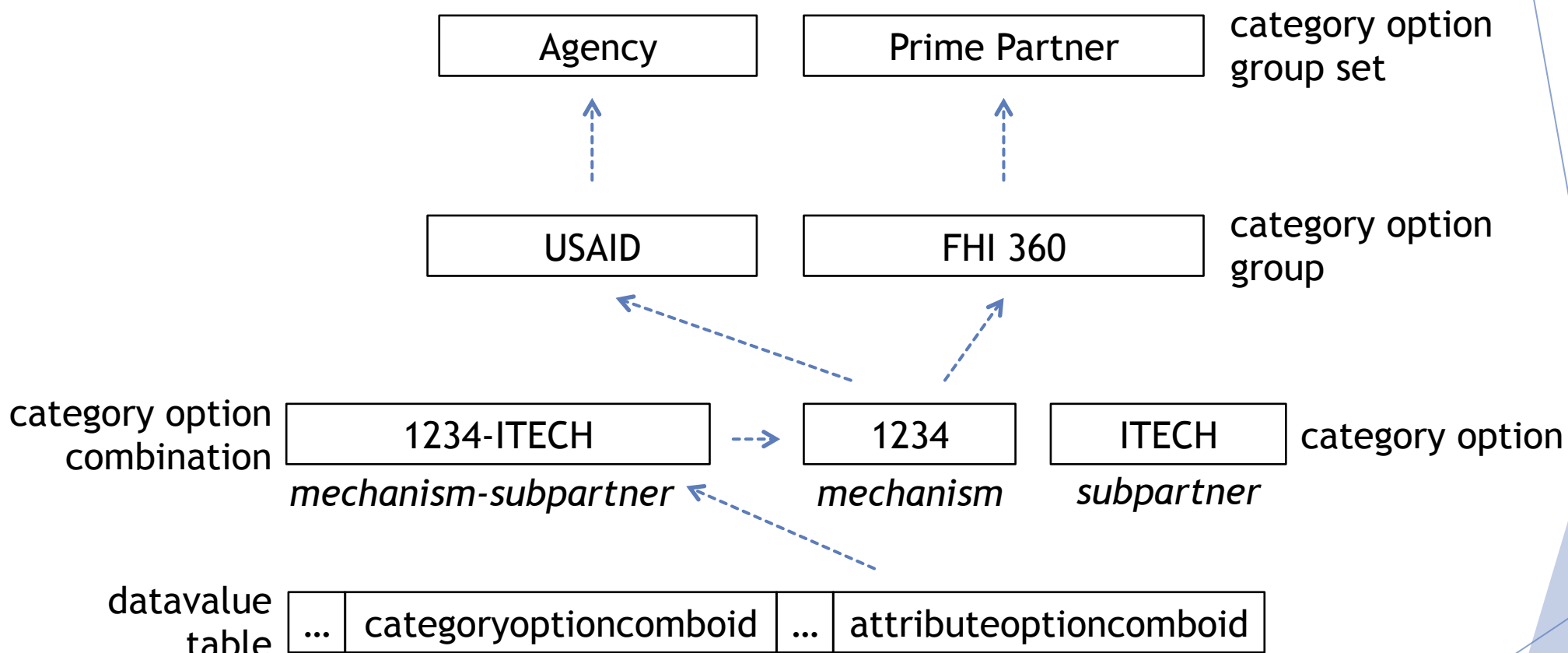


category option groups and group sets

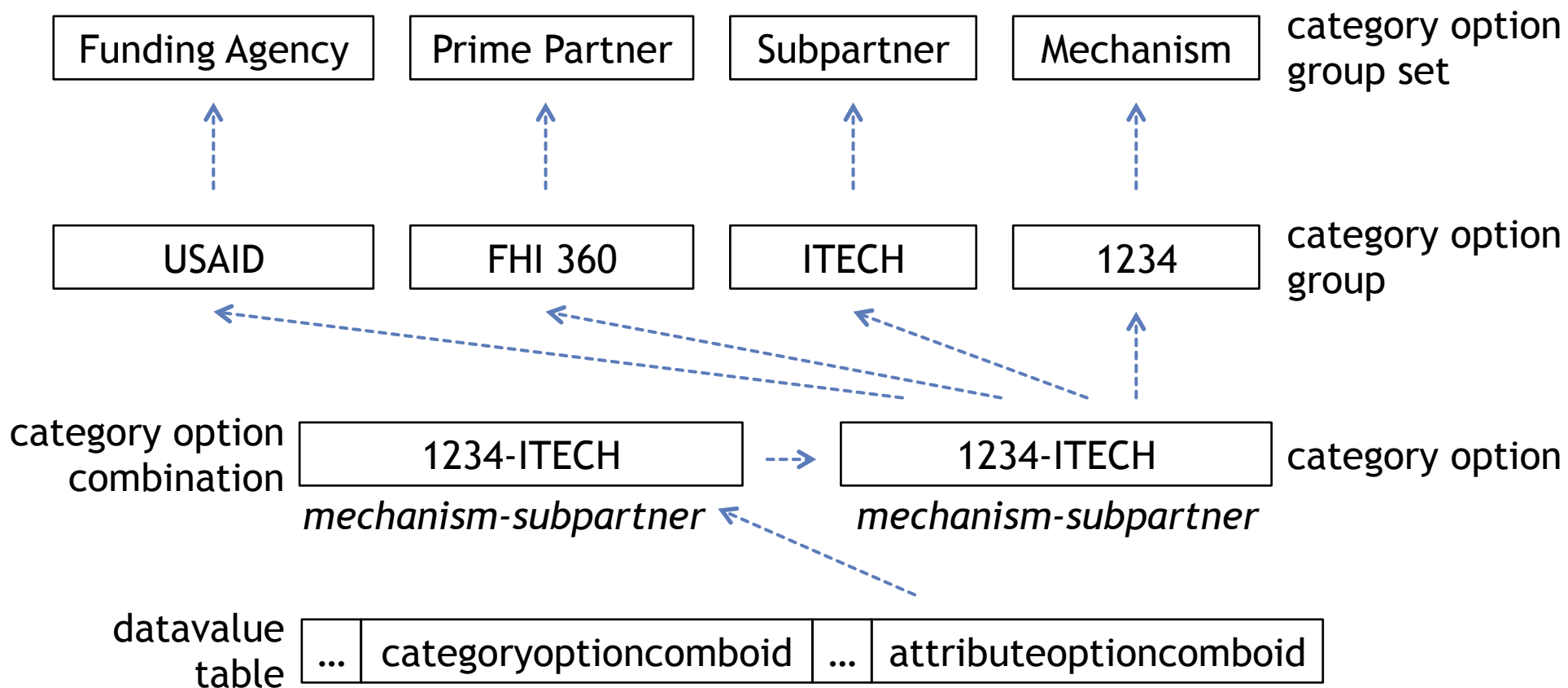
Modelling PEPFAR subpartners (possible future)




Possible PEPFAR subpartners (2 dimensions)



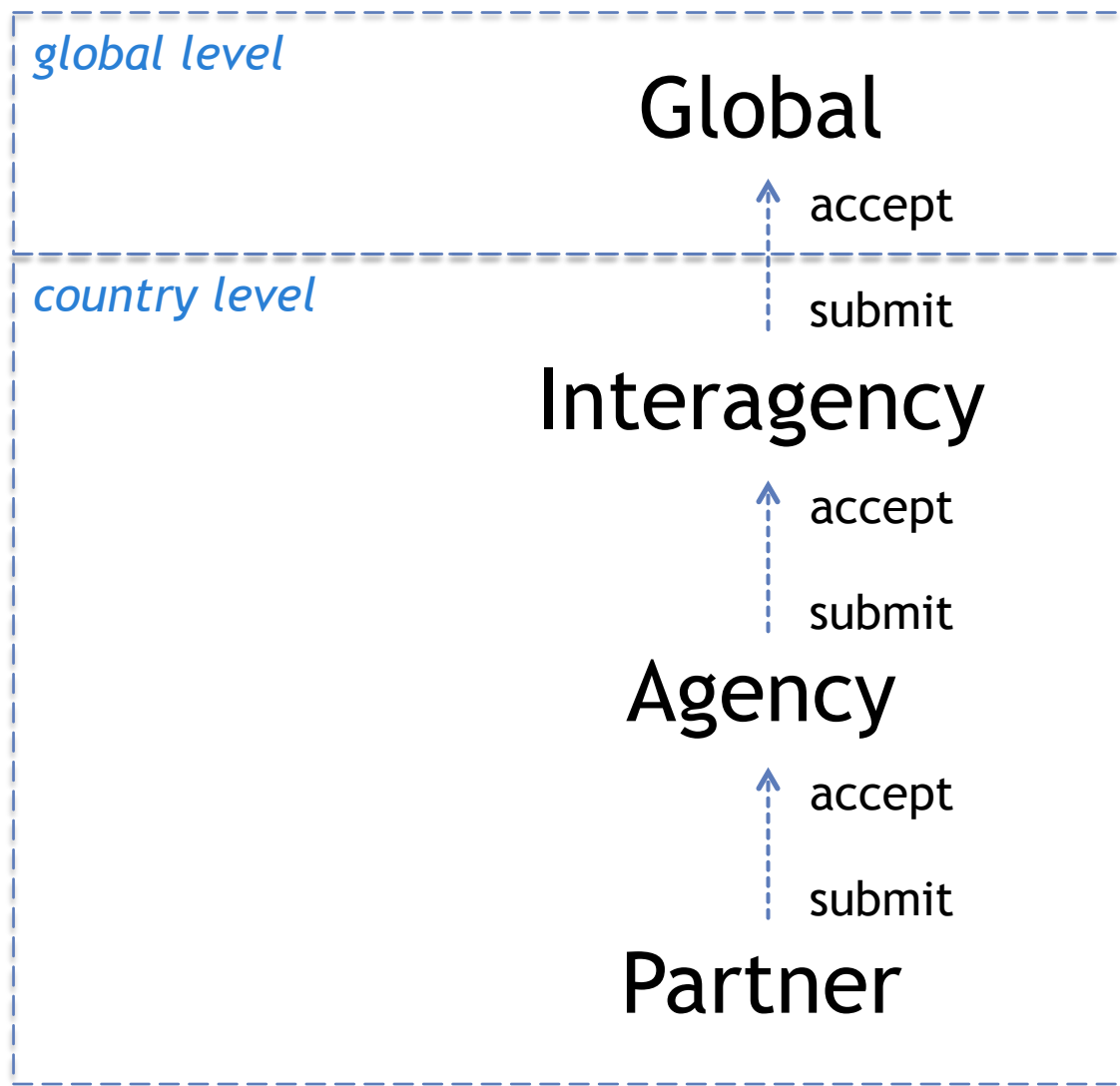
Possible PEPFAR subpartners (1 dimension)



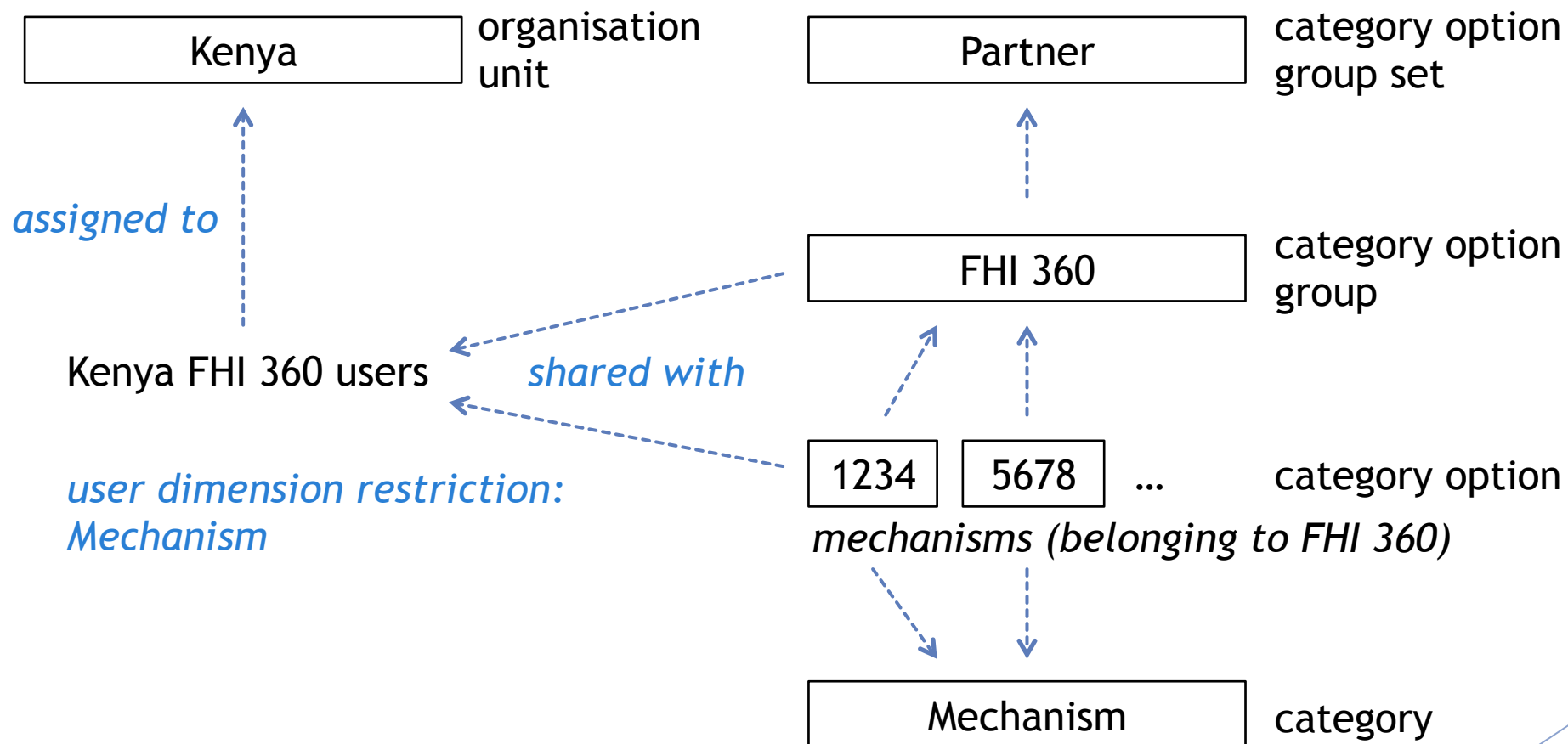
Modelling PEPFAR data approval

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-  3. Modelling data approval:
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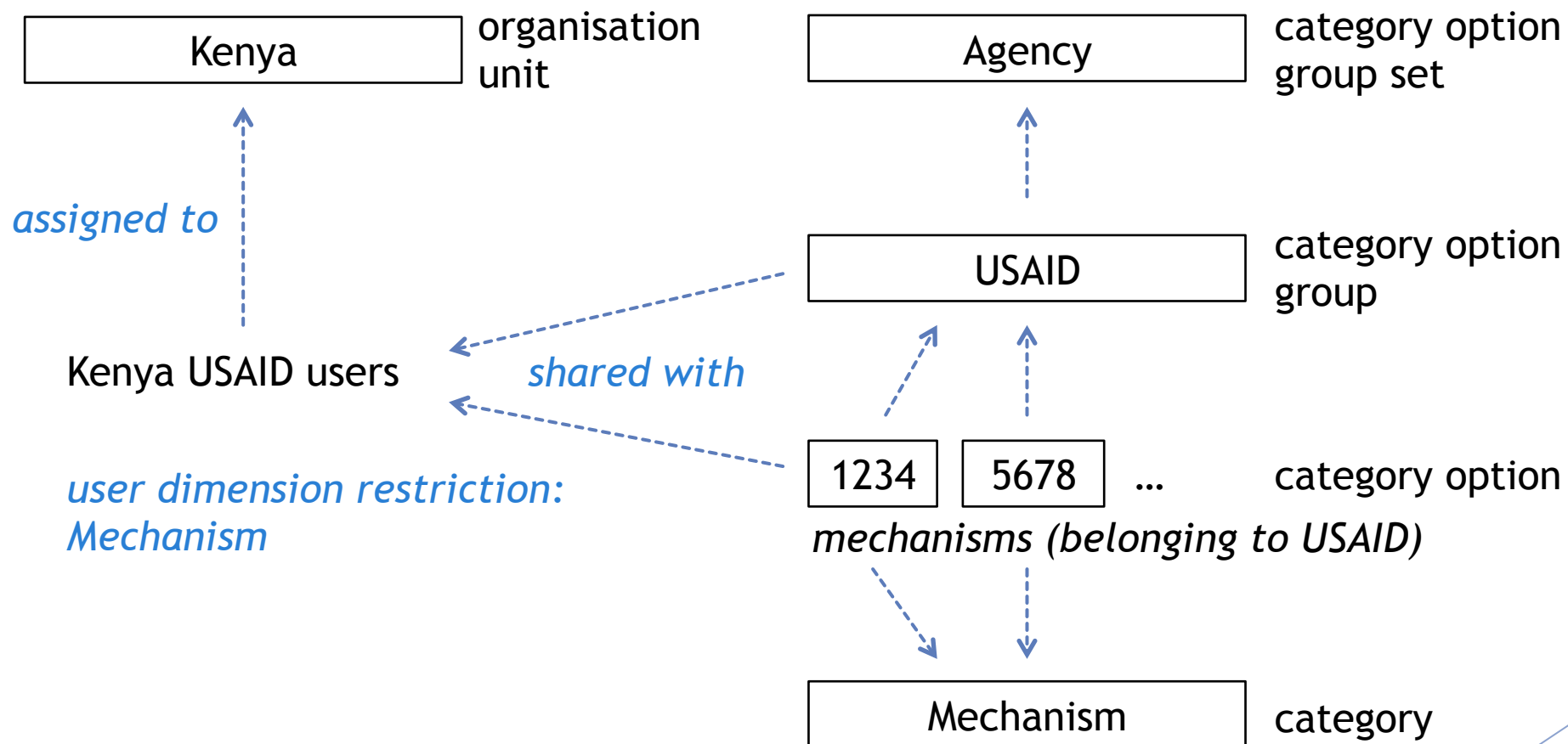
Modelling PEPFAR data approval



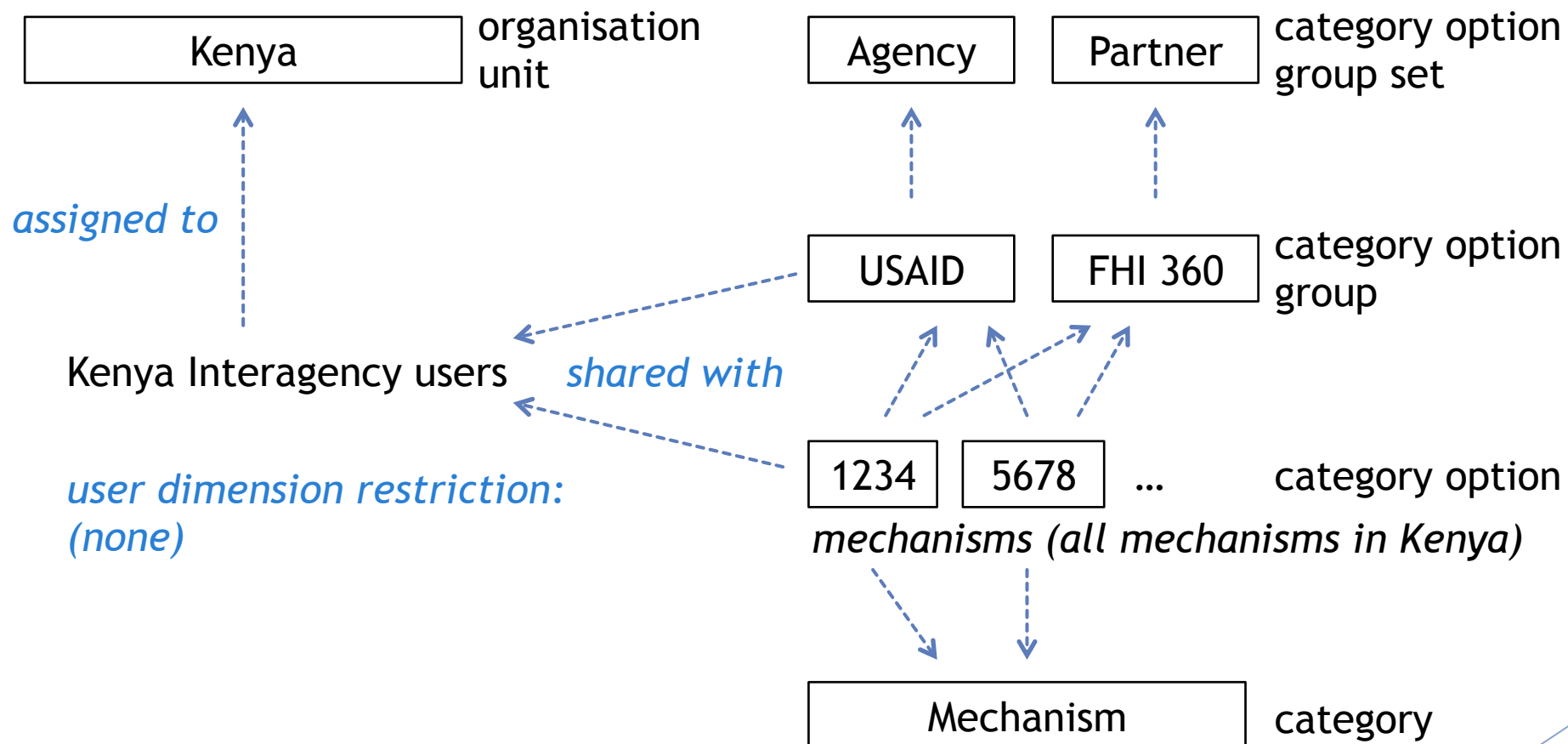
PEPFAR Partner users



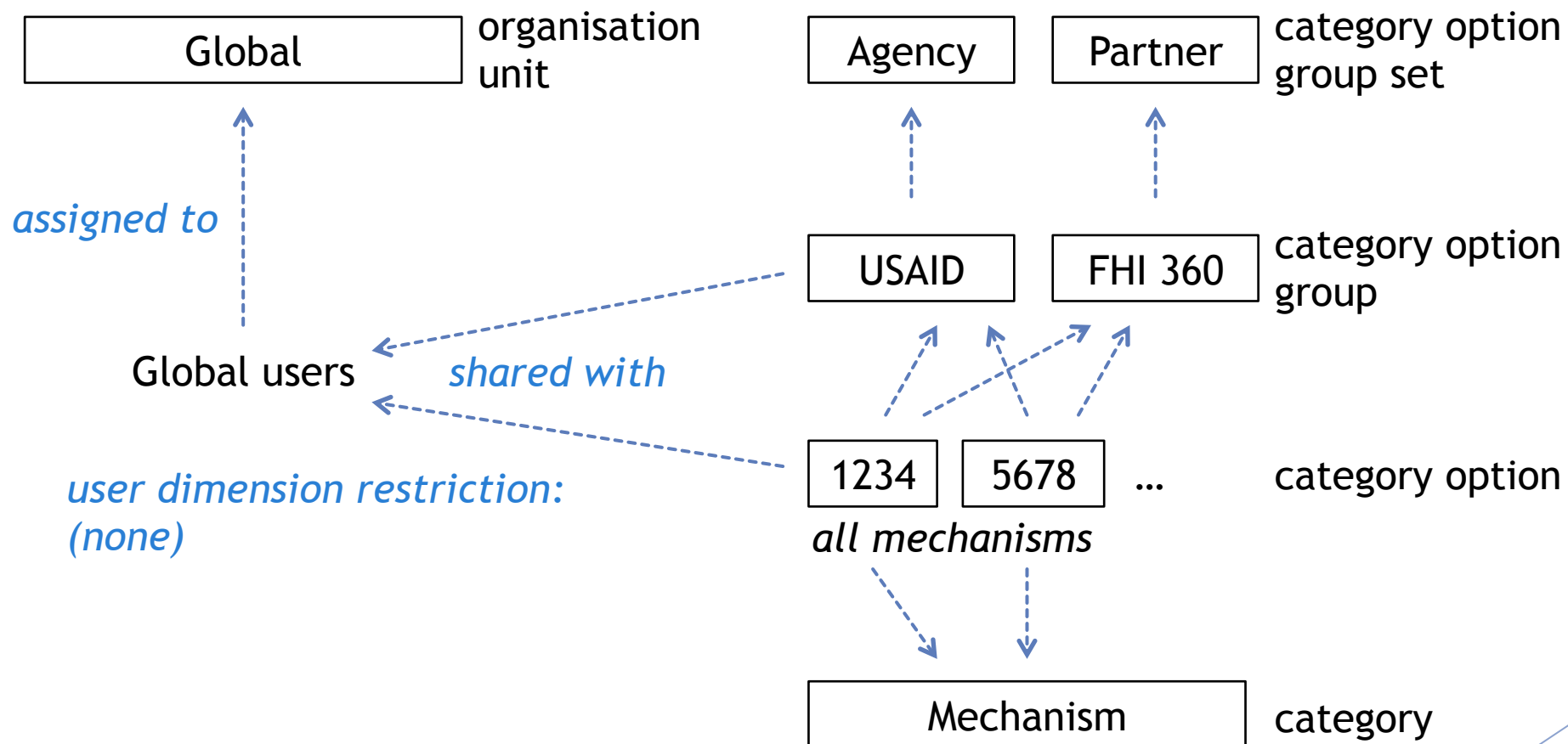
PEPFAR Agency users



PEPFAR Interagency country users



PEPFAR Global users



PEPFAR data approval levels

Data approval level management

Search by name

Name	Level	Organisation unit level	Category option group set
Global	1	1	
Inter-Agency	2	3	
Funding Agency	3	3	Funding Agency
Implementing Partner	4	3	Implementing Partner

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Thank you!



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